

1 **ABSTRACT OF THE DISCLOSURE**

2 A composite board includes a first board having a first grain, a second
3 board having a second grain, and a mediate board securely sandwiched between
4 the first board and the second board. The mediate board has a grain
5 perpendicular to the first grain and the second grain such that deformation of the
6 composite board is avoided as interaction among the first grain, the second grain
7 and the grain harmonizes expansion or contraction of the first board and the
8 second board.